



## HSB Thermography Services

They say a picture is worth a thousand words.



This one is worth thousands of dollars.

HSB Thermography Services combines the knowledge of our personnel with that of modern infrared detection technology to provide information to our customers. All objects emit heat which is in the form of electromagnetic radiation. With the aid of electromagnetic radiation. With the aid of an infrared camera, that heat can be detected and measured. By detecting and measuring temperature differences from one surface of an object to another, our skilled technicians are able to diagnose possible problems and provide meaningful recommendations.

### EVALUATING SYSTEMS & EQUIPMENT

Equipment does not need to be shut down – plant can operate while scanning is performed. Areas scanned include, but are not limited to:

- Electrical switch gear, breakers, bus connections, and contacts
- Transformer connections
- Motor and generator connections, windings, feeders and exciters
- Bearings
- Friction in drive gears and drive belts
- Refractory systems (boilers, kilns, molten material containment, etc.)
- Steam traps and piping insulation

### PREVENTING PROBLEMS

Thermography can detect a variety of conditions that can lead to problems, including:

- Friction • Loose connections
- Poor metallurgy • Insulation breakdown
- Improper liquid levels
- Tank levels and insulation problems

### SERVICING INDUSTRIES

Following is a sampling of industries we service:

- Chemical
- Electrical Utilities
- Manufacturing
- Mining
- Aerospace
- Food Processing & Storage
- Schools and Universities
- Hospitals
- Hotels
- Office buildings
- Shopping Malls